



HIV IN SUBURBAN WASHINGTON: AN EPIDEMIOLOGICAL PROFILE

**SUBURBAN RAC MEETING
MAY 8, 2013**

**Colin Flynn, Chief
HIV Surveillance, Epidemiology and Evaluation**

**Maryland Department of Health and Mental Hygiene
Prevention and Health Promotion Administration**



MISSION AND VISION

MISSION

- The mission of the Prevention and Health Promotion Administration is to protect, promote and improve the health and well-being of all Marylanders and their families through provision of public health leadership and through community-based public health efforts in partnership with local health departments, providers, community based organizations, and public and private sector agencies, giving special attention to at-risk and vulnerable populations.

VISION

- The Prevention and Health Promotion Administration envisions a future in which all Marylanders and their families enjoy optimal health and well-being.



National Data



U.S. HIV/AIDS Prevalence

- At the end of 2009, an estimated 1.1 million adult Americans were infected with HIV
- It is also estimated that 18% of the infected were undiagnosed
 - CDC. HIV Surveillance Supplemental Report. 2012; 17(No. 3, part A). Atlanta.



Estimated HIV Diagnoses during 2011, Ranked by Rates

<u>STATE/TERRITORY</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. District of Columbia	962	155.6
2. Virgin Islands	35	33.0
3. Maryland	1,783	30.6
4. Louisiana	1,381	30.2
5. Florida	5,408	28.4
6. Georgia	2,522	25.7
7. New York	4,960	25.5
8. Puerto Rico	888	24.0
9. Mississippi	617	20.7
10. Texas	5,065	19.7
<hr/>		
<i>United States</i>	<i>50,199</i>	<i>15.9</i>



Estimated Adults Living with Diagnosed HIV, year-end 2010, Ranked by Rates



<u>STATE/TERRITORY</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. District of Columbia	14,359	2,704.3
2. New York	132,523	810.0
3. Virgin Islands	589	667.1
4. Maryland	30,558	632.9
5. Florida	94,897	592.7
6. Puerto Rico	18,129	584.3
7. New Jersey	35,860	488.2
8. Louisiana	16,892	451.7
9. Georgia	33,920	428.8
10. Delaware	2,968	394.1
<hr/>		
<i>United States</i>	888,638	342.2



Estimated HIV Diagnoses during 2011, Ranked by Rates

<u>METROPOLITAN AREA</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. Miami, FL	2,606	46.0
2. New Orleans-Metairie-Kenner, LA	513	43.0
3. Baton Rouge, LA	336	41.6
4. Jackson, MS	200	36.7
5. Washington, DC-VA-MD-WV	1,969	34.5
6. Baltimore-Towson, MD	922	33.8
7. Memphis, TN-MS-AR	433	32.6
8. Atlanta-Sandy Springs-Marietta, GA	1,626	30.3
9. New York, NY-NJ-PA	5,344	28.1
10. Jacksonville, FL	382	28.1
<hr/>		
<i>United States</i>	<i>50,161</i>	<i>15.9</i>



Estimated Persons Living with Diagnosed HIV, year-end 2010, Ranked by Rates



<u>METROPOLITAN AREA</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. Miami, FL	49,045	879.3
2. New York, NY-NJ-PA	143,393	757.9
3. Baltimore-Towson, MD	18,318	674.8
4. New Orleans-Metairie-Kenner, LA	7,380	620.2
5. Jackson, MS	3,018	558.8
6. San Francisco, CA	23,829	548.6
7. Memphis, TN-MS-AR	7,191	545.6
8. Washington, DC-VA-MD-WV	30,797	549.0
9. San Juan-Caguas-Guaynabo, PR	13,026	525.9
10. Baton Rouge, LA	4,009	498.3
<hr/>		
<i>United States</i>	<i>891,157</i>	<i>284.7</i>

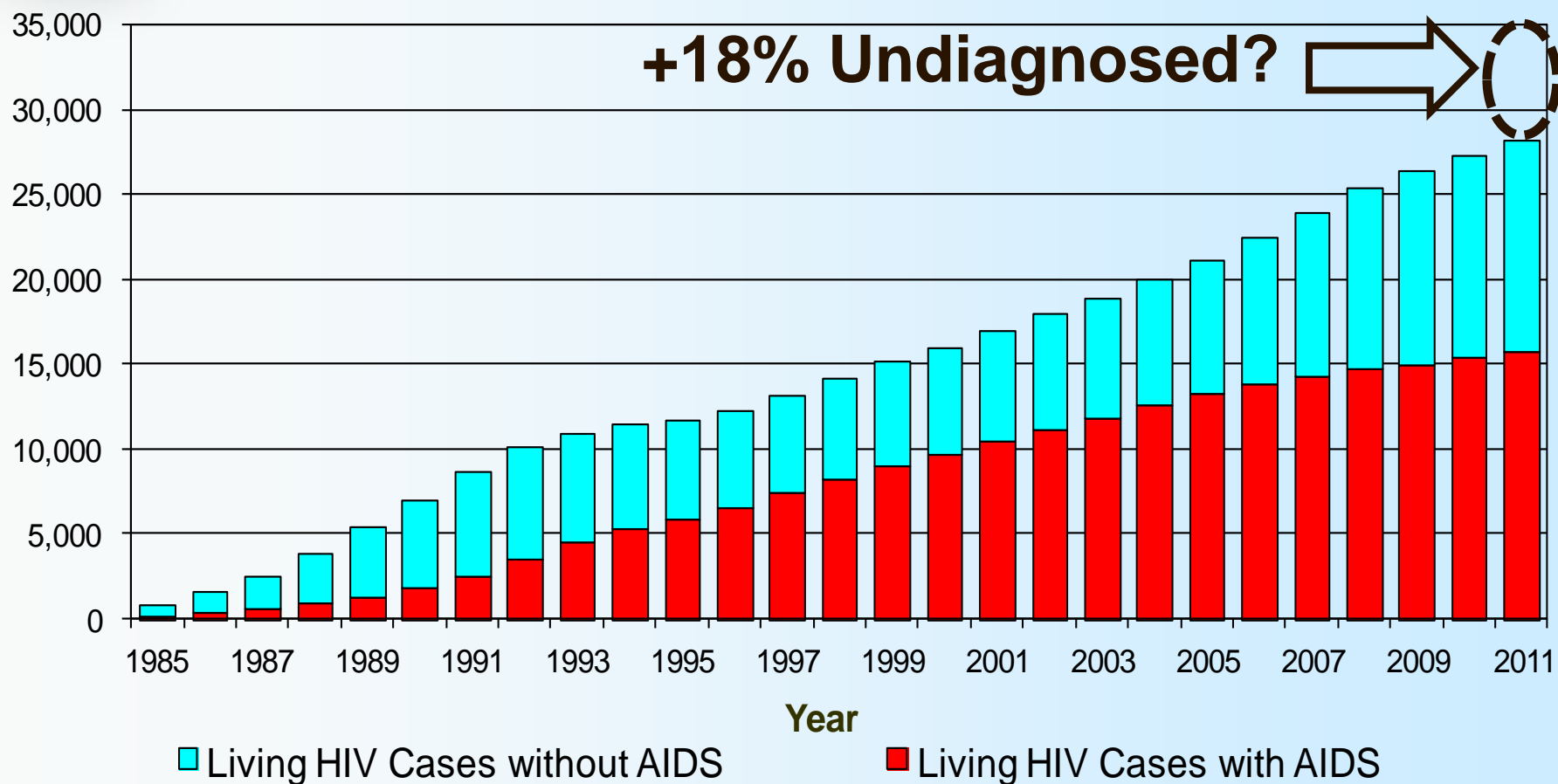


State Data



Maryland Living HIV Cases

Number of Cases



Using data as reported through 12/31/2012

Maryland Prevention and
Health Promotion Administration
May 8, 2013



Maryland Adult/Adolescent HIV/AIDS Statistics

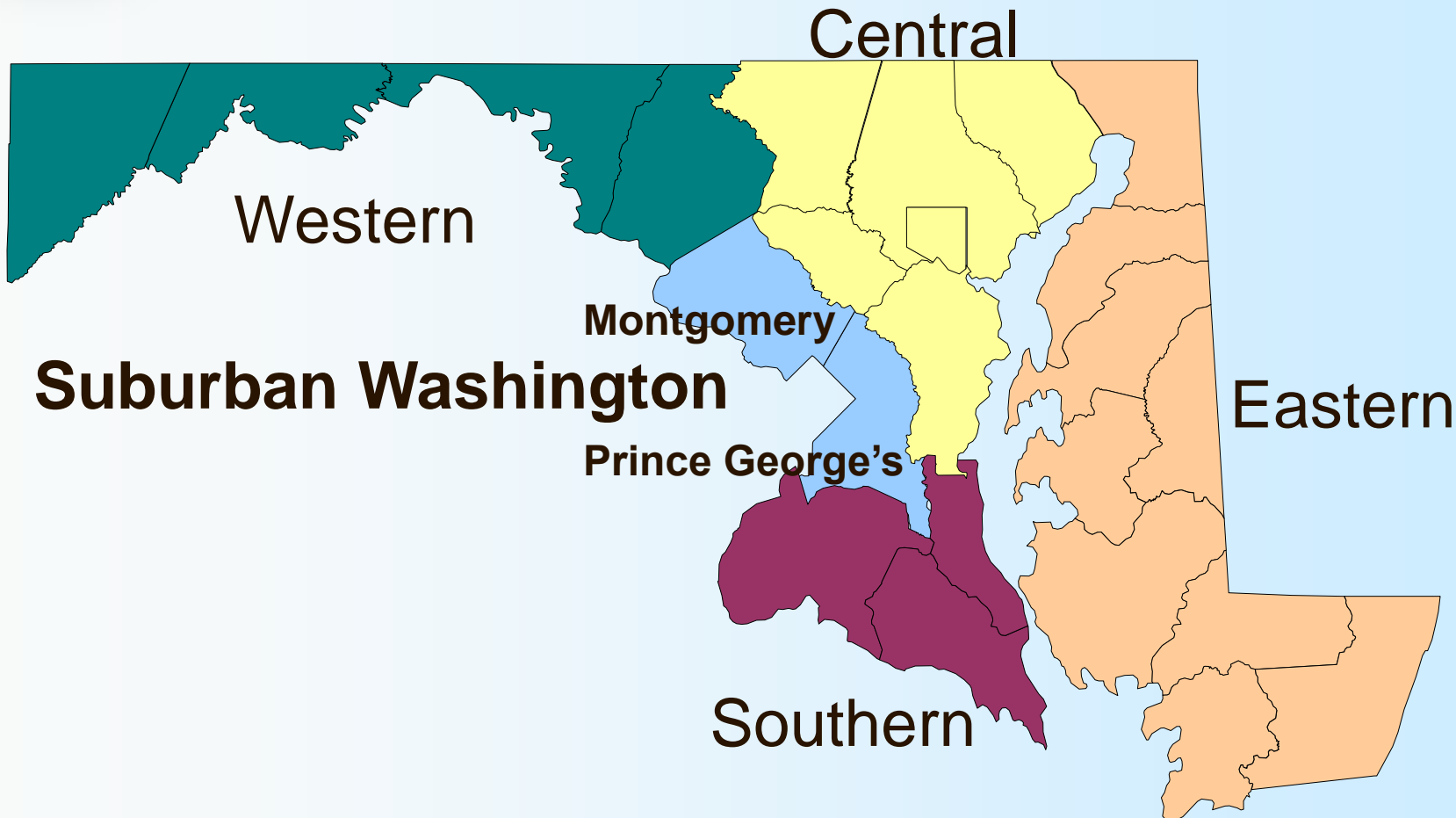


Reported Diagnoses (during 2011)	No.	per 100,000	
HIV	1,311	26.9	
AIDS	759	15.6	
Living Cases (on 12/31/11)	No.	per 100,000	1 in X
HIV without AIDS	12,162	249.8	
HIV with AIDS	15,548	319.3	
Total HIV	27,710	569.1	175

Using data as reported through 12/31/2012

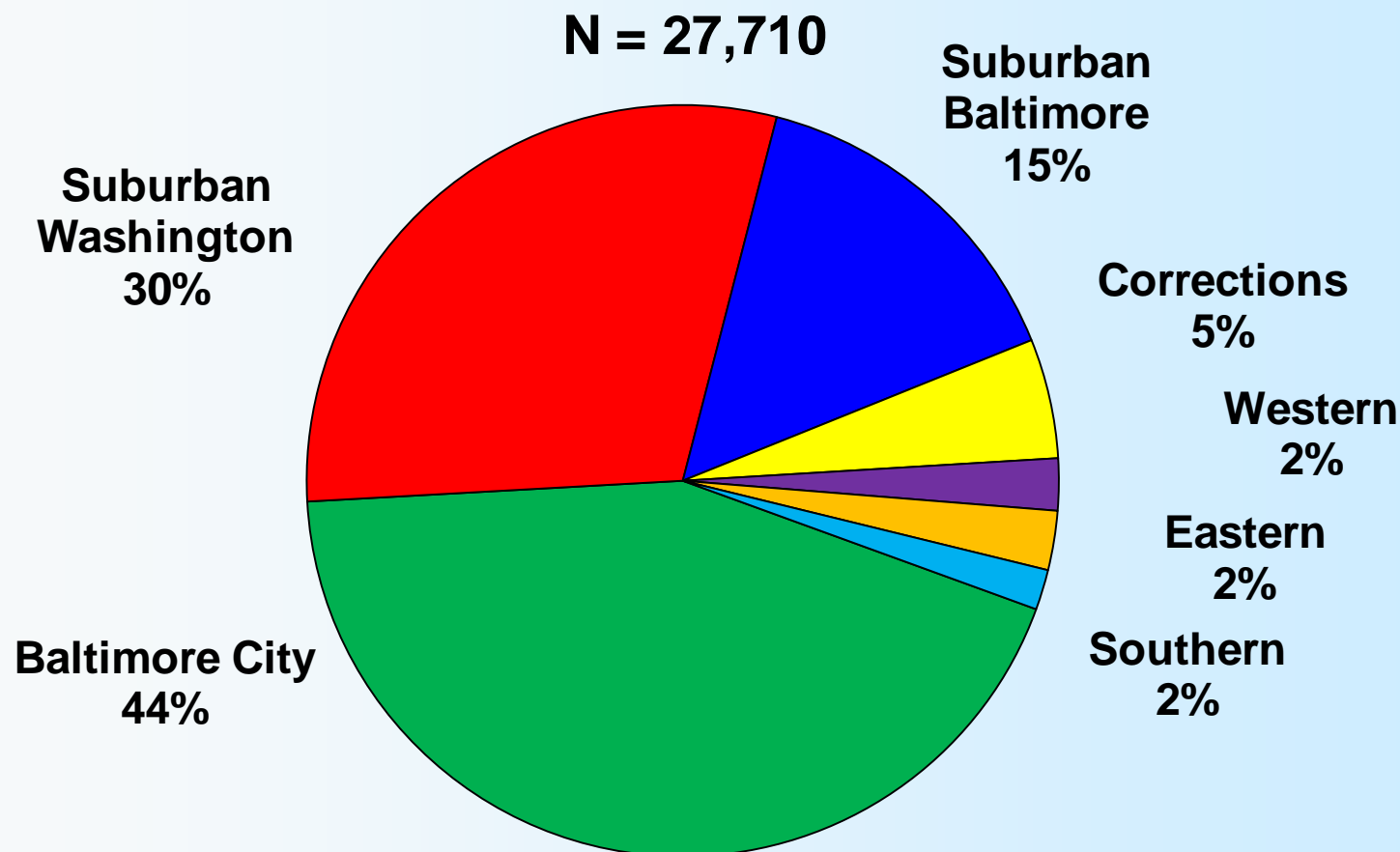


Maryland Regional Advisory Committee Regions





Maryland Living Adult/ Adolescent HIV Cases by Region, 12/31/11



Using data as reported through 12/31/2012



Regional Data



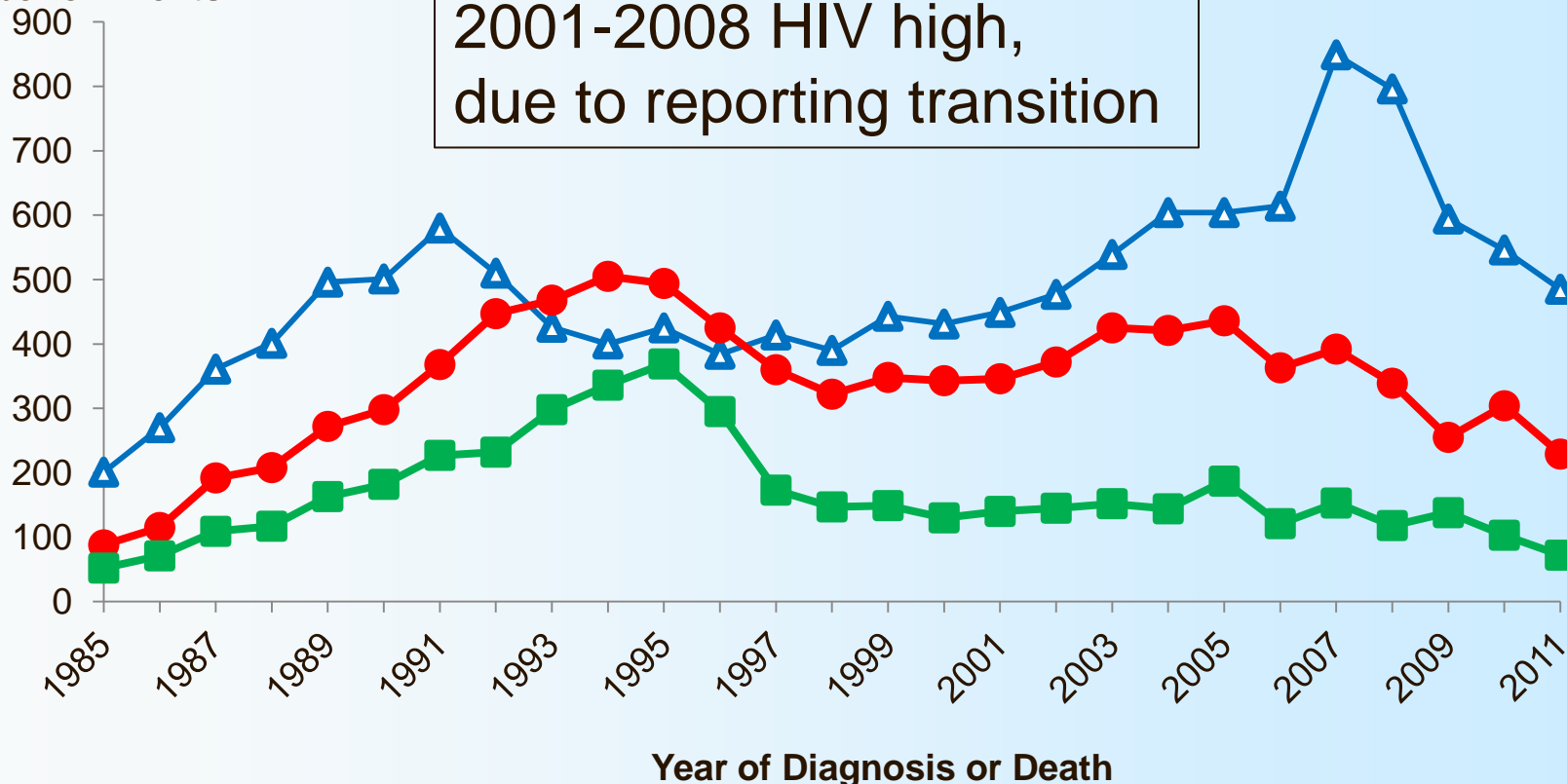
HIV/AIDS Trends

Suburban Washington



Number of Events

2001-2008 HIV high,
due to reporting transition



▲ Reported HIV Diagnoses ● Reported AIDS Diagnoses ■ Reported AIDS Deaths

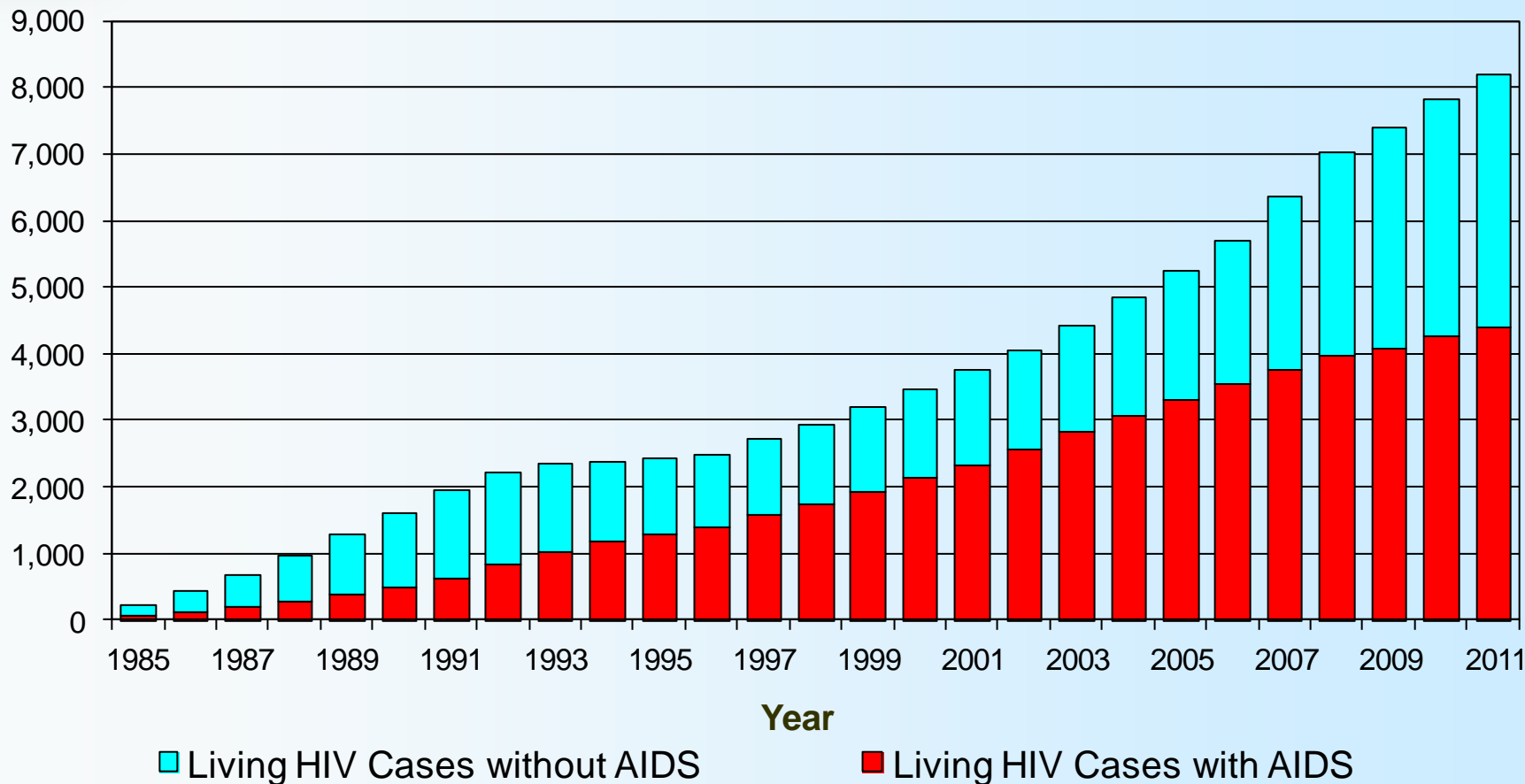
Using data as reported through 12/31/2012

Maryland Prevention and
Health Promotion Administration
May 8, 2013



Living HIV Cases Suburban Washington

Number of Cases



Using data as reported through 12/31/2012

Maryland Prevention and
Health Promotion Administration
May 8, 2013



HIV Statistics

Adult/Adolescent Cases

Suburban Washington

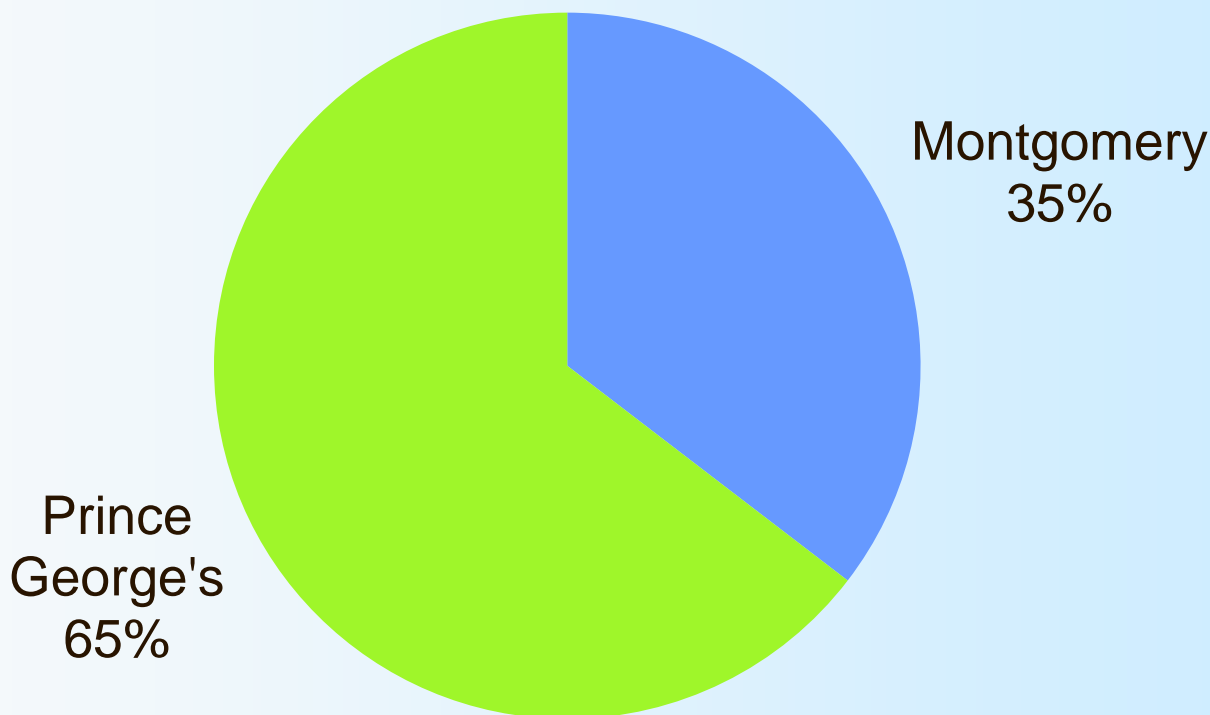
	Reported HIV Diagnoses during 2011	Living HIV Cases on 12/31/2011
Suburban Washington	479	8,285
Montgomery	147	2,933
Prince George's	332	5,352

Using data as reported through 12/31/2012



Suburban Washington Living Adult/Adolescent HIV Cases by County, 12/31/11

N = 8,285

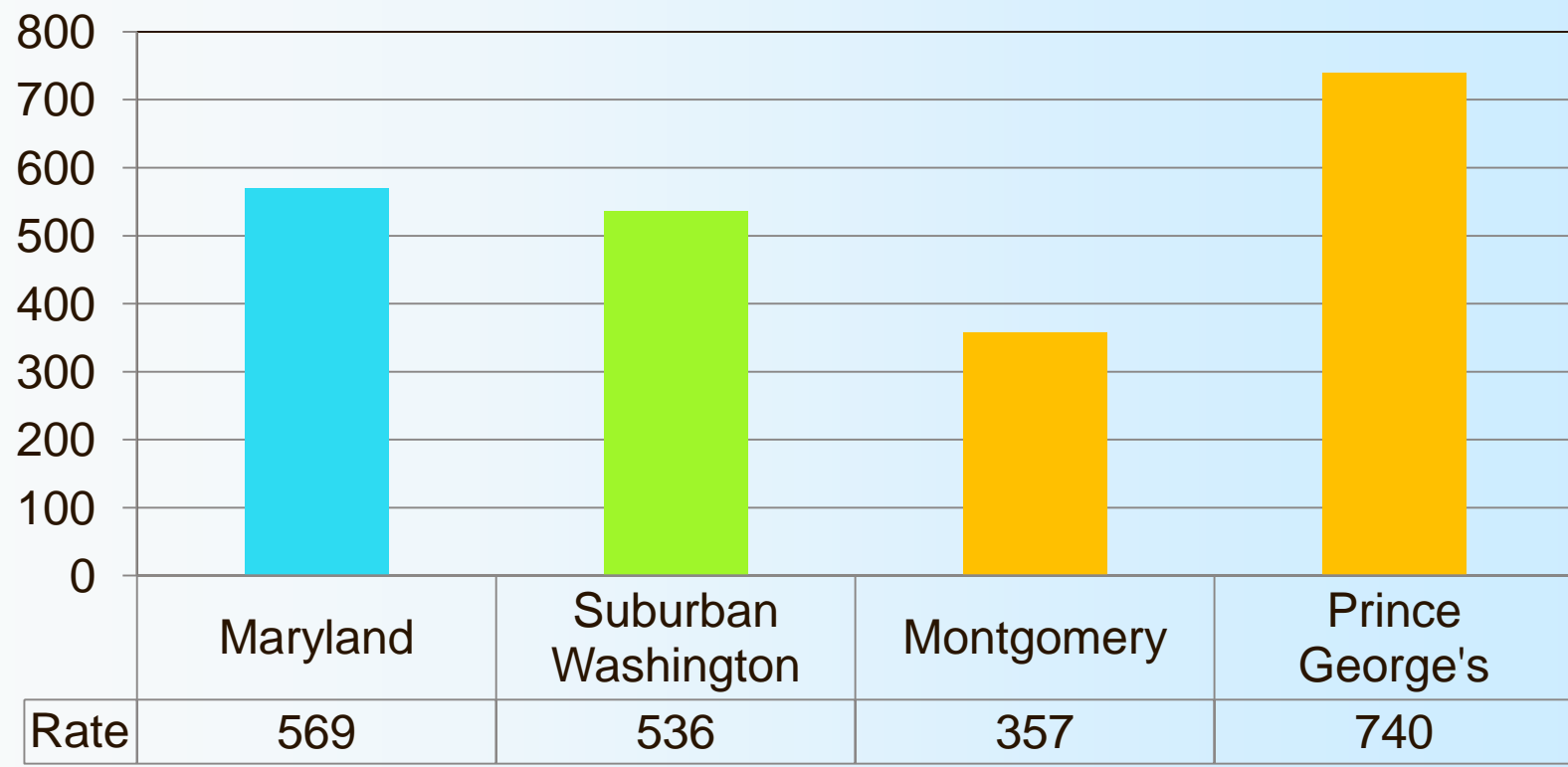


Using data as reported through 12/31/2012

Maryland Prevention and
Health Promotion Administration
May 8, 2013



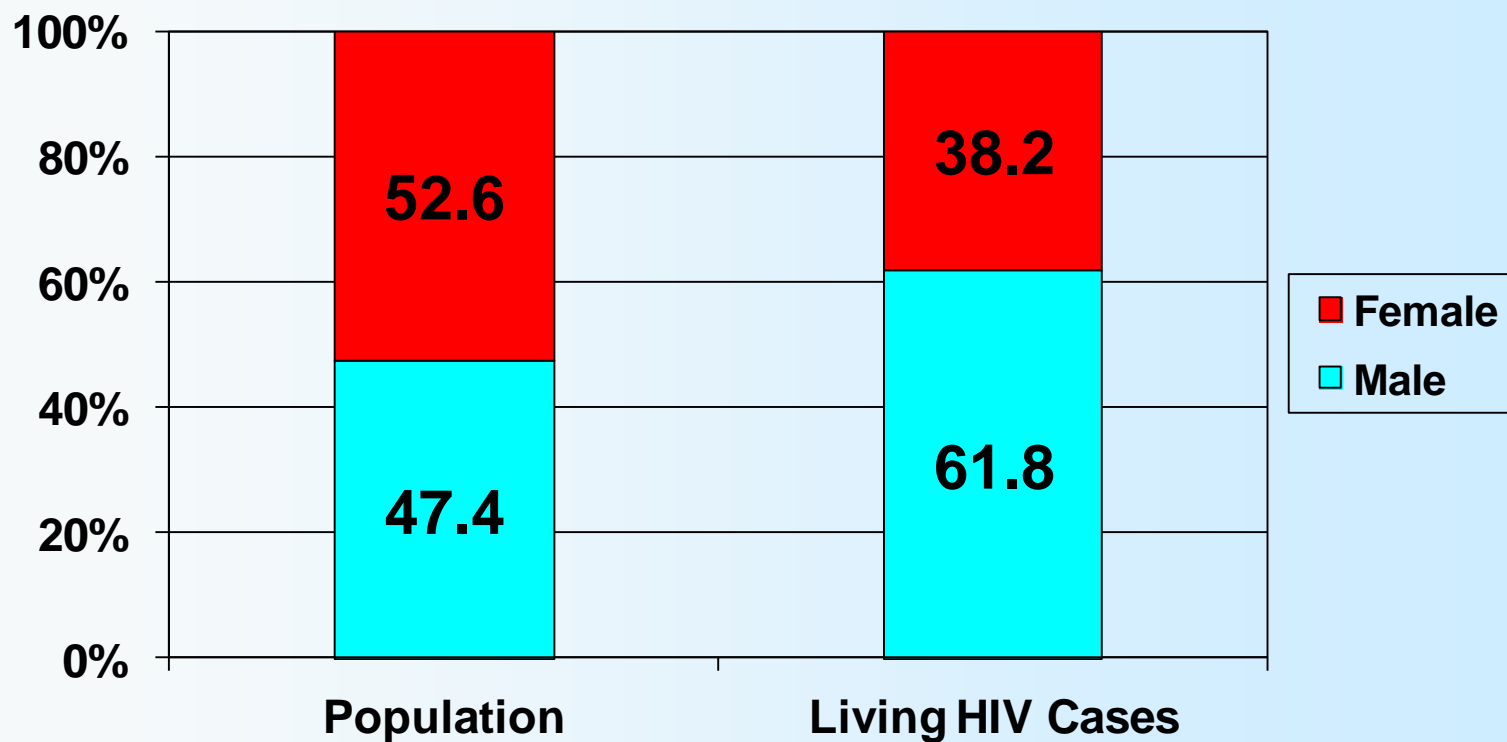
Living Adult/Adolescent HIV Cases Rates per 100,000 Population by County, Suburban Washington, 12/31/11



Population on 7/1/11. Cases on 12/31/11
as reported through 12/31/12



Adult/Adolescent Population and Living HIV Cases by Sex at Birth Suburban Washington

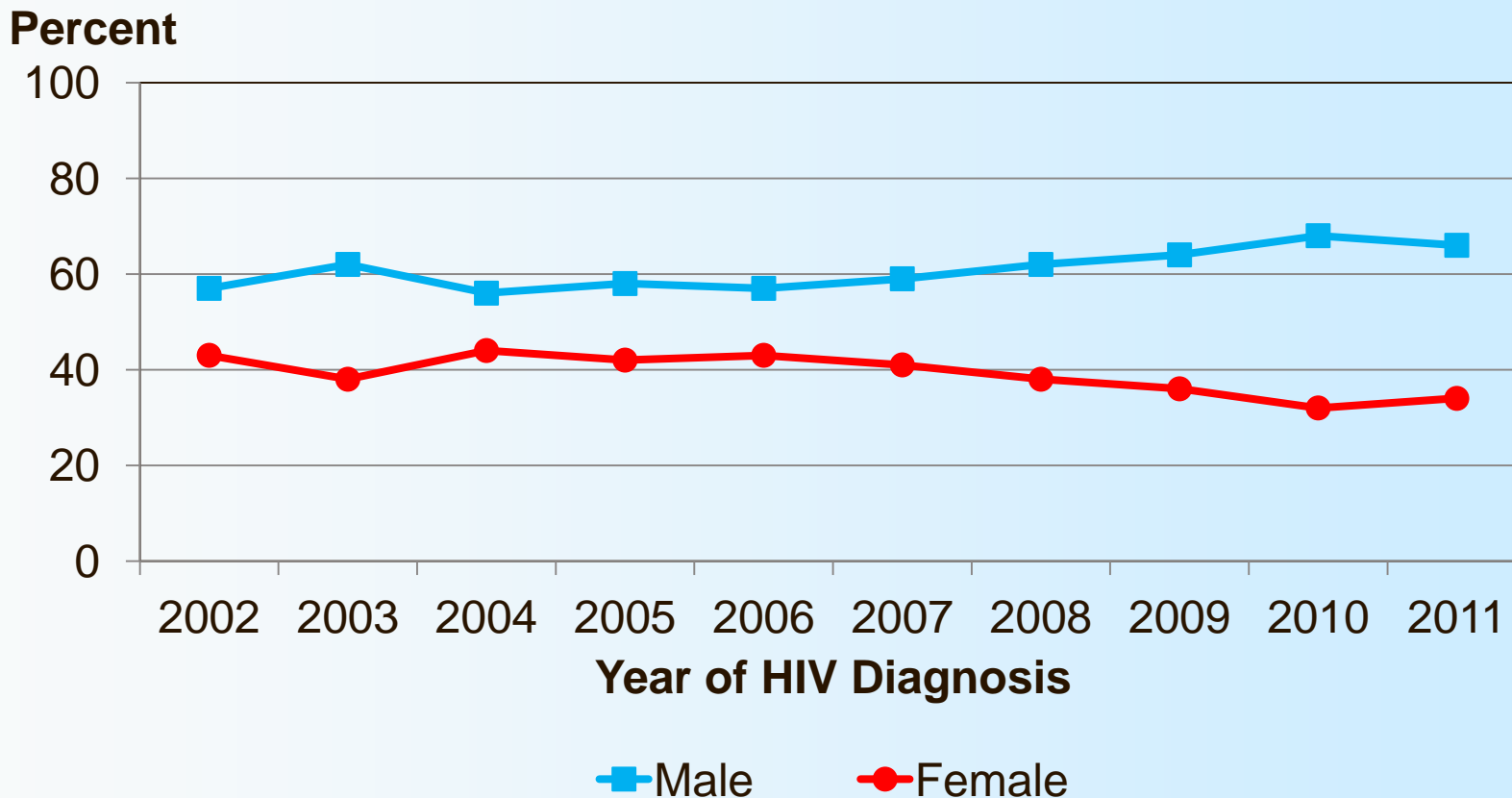


Population on 4/1/10, Cases on 12/31/10
as reported through 12/31/11

Maryland Prevention and
Health Promotion Administration
May 8, 2013



Reported Adult/Adolescent HIV Diagnosis Trends by Sex at Birth, Suburban Washington

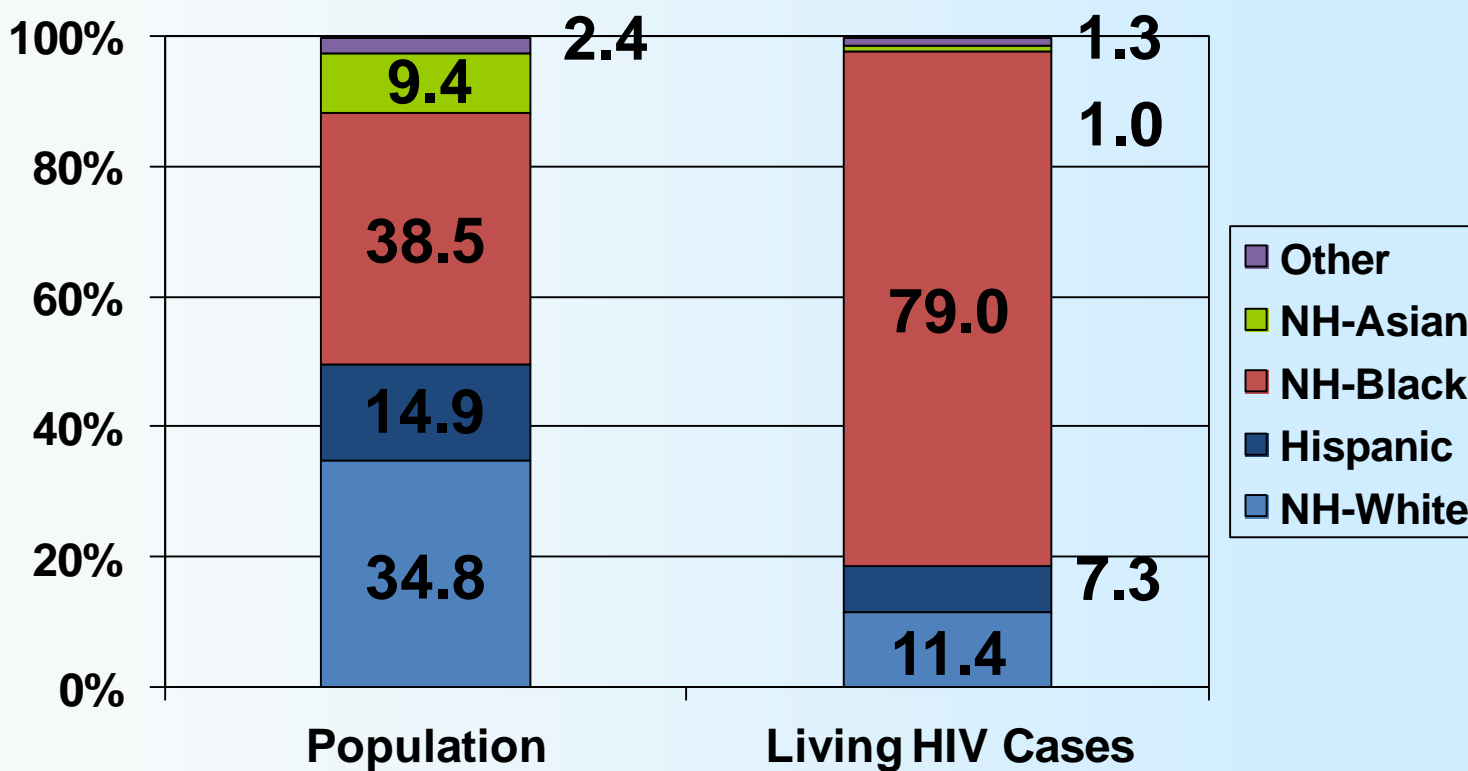


Using data as reported through 12/31/2012

Maryland Prevention and
Health Promotion Administration
May 8, 2013



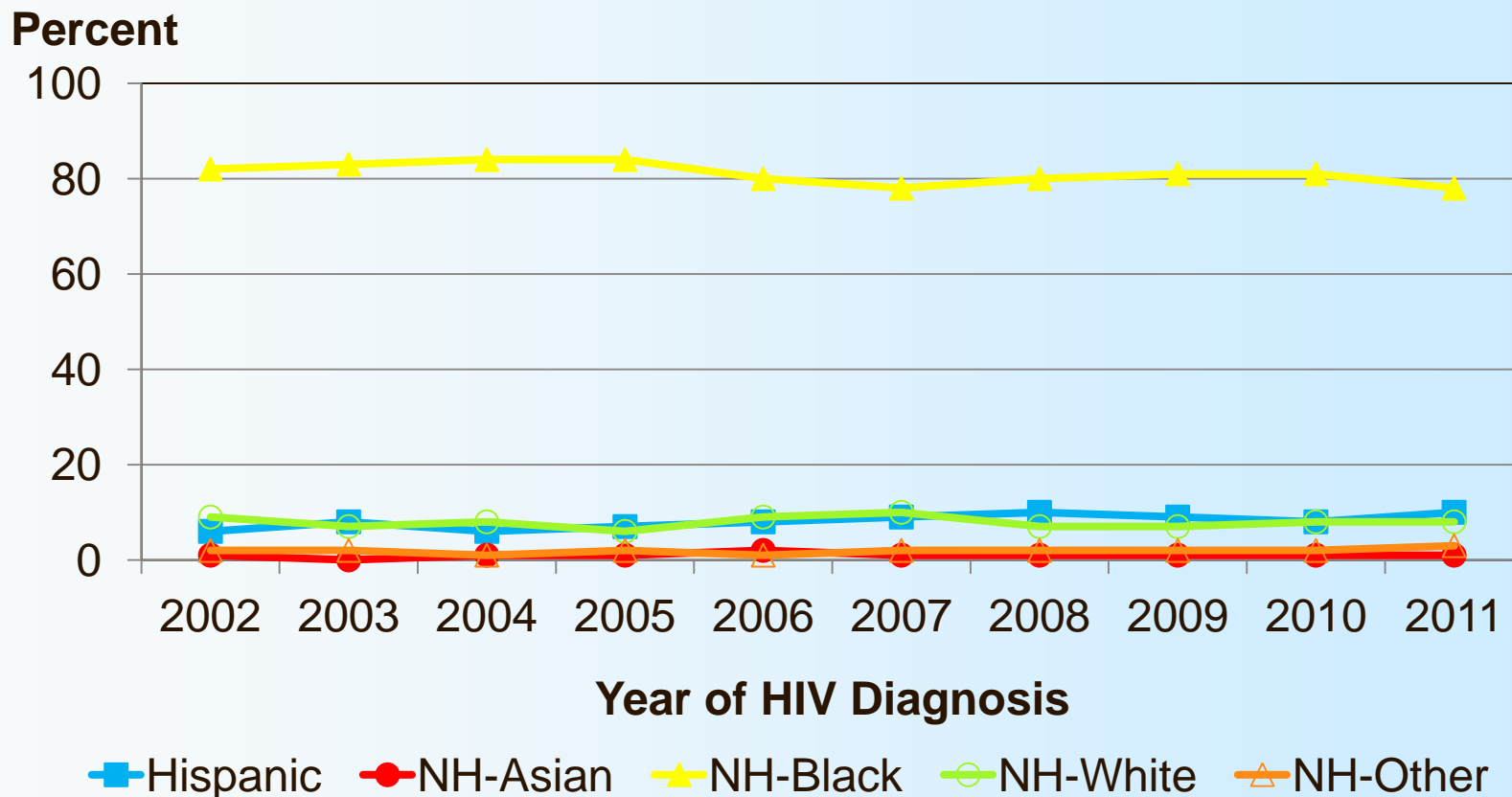
Adult/Adolescent Population and Living HIV Cases by Race/Ethnicity, Suburban Washington



Population on 4/1/10, Cases on 12/31/10
as reported through 12/31/11



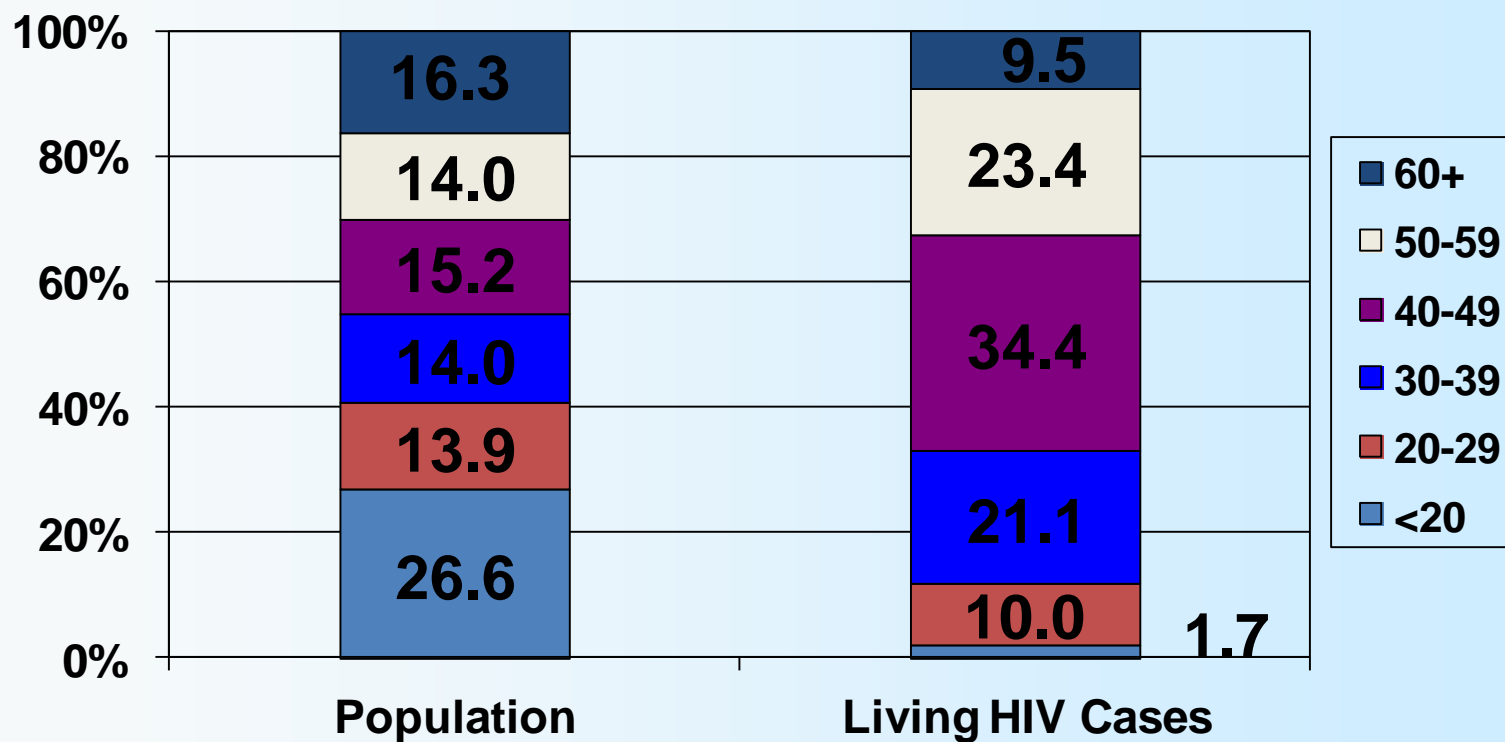
Reported Adult/Adolescent HIV Diagnosis Trends by Race/Ethnicity, Suburban Washington



Using data as reported through 12/31/2012



Population and Living HIV Cases by Age, Suburban Washington

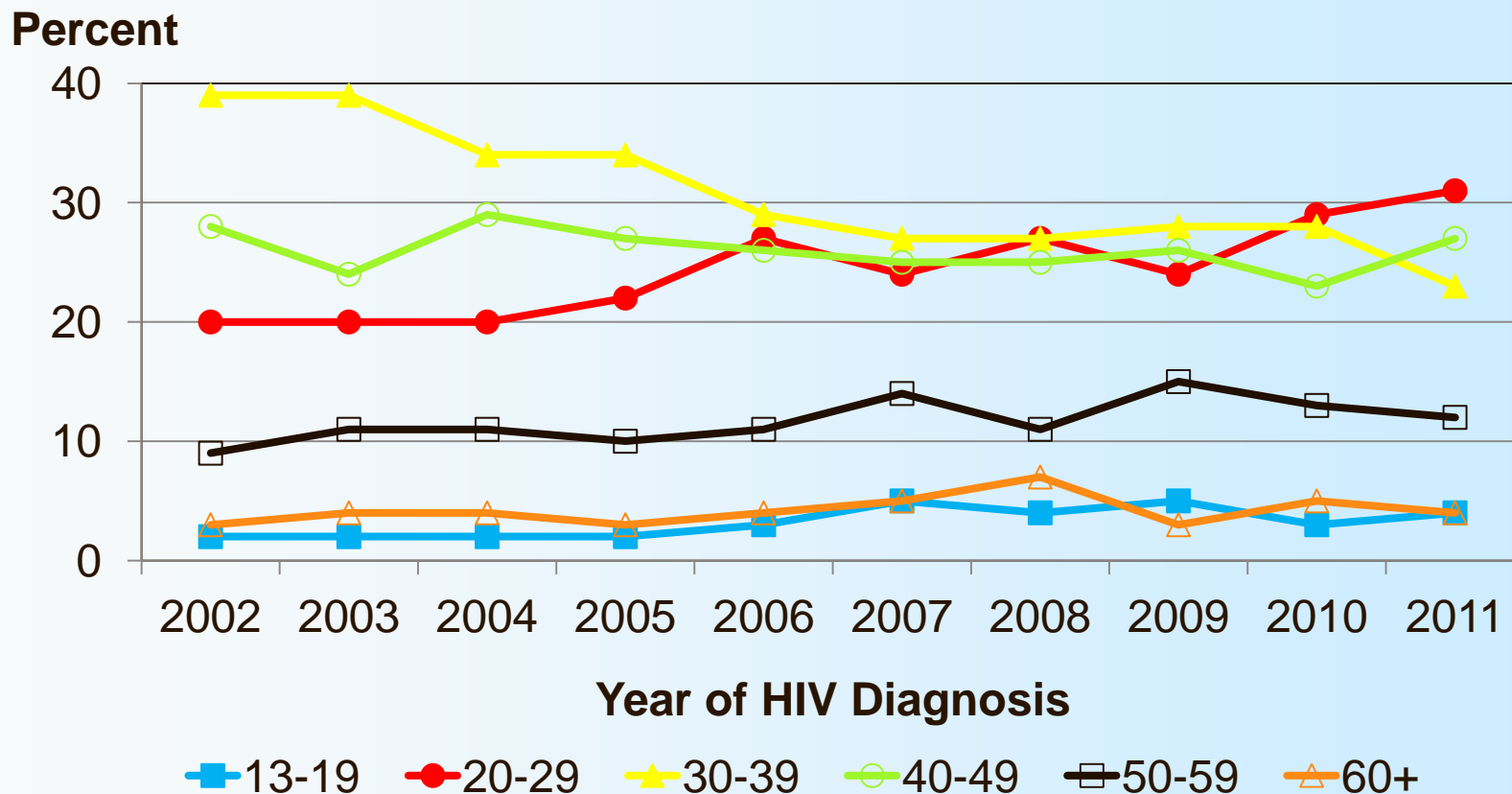


Population on 4/1/10, Cases on 12/31/10
as reported through 12/31/11

Maryland Prevention and
Health Promotion Administration
May 8, 2013



Reported Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis, Suburban Washington



Using data as reported through 12/31/2012



Exposure Categories

MSM: Men who have Sex with Men

IDU: Injection Drug Use

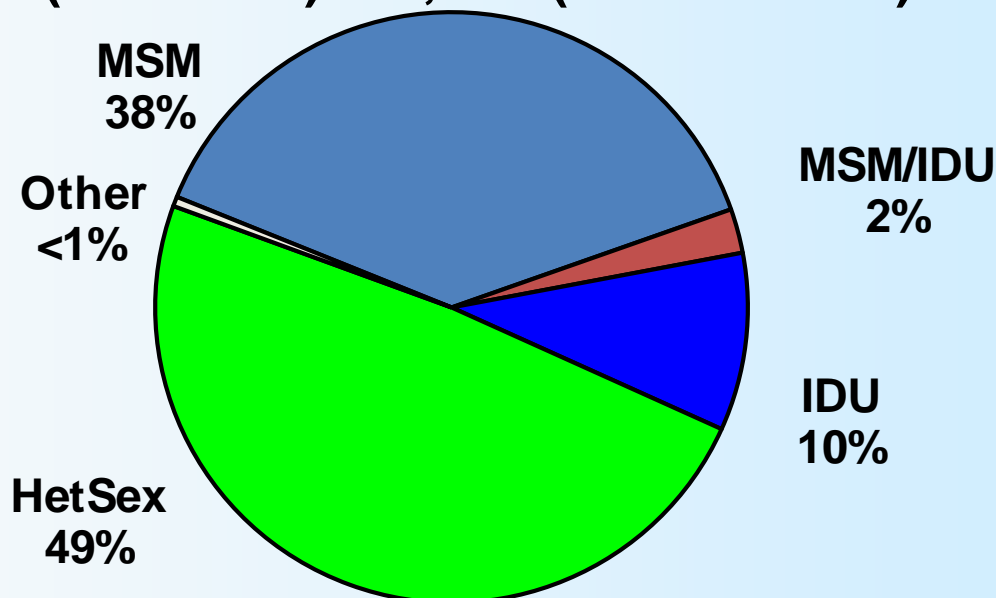
MSM/IDU: Men who have Sex with Men AND Inject Drugs

HetSex: Heterosexual Contact with a Person that has or is at Risk for HIV Infection



Living Adult/Adolescent HIV Cases 12/31/11 by Exposure Category, Suburban Washington

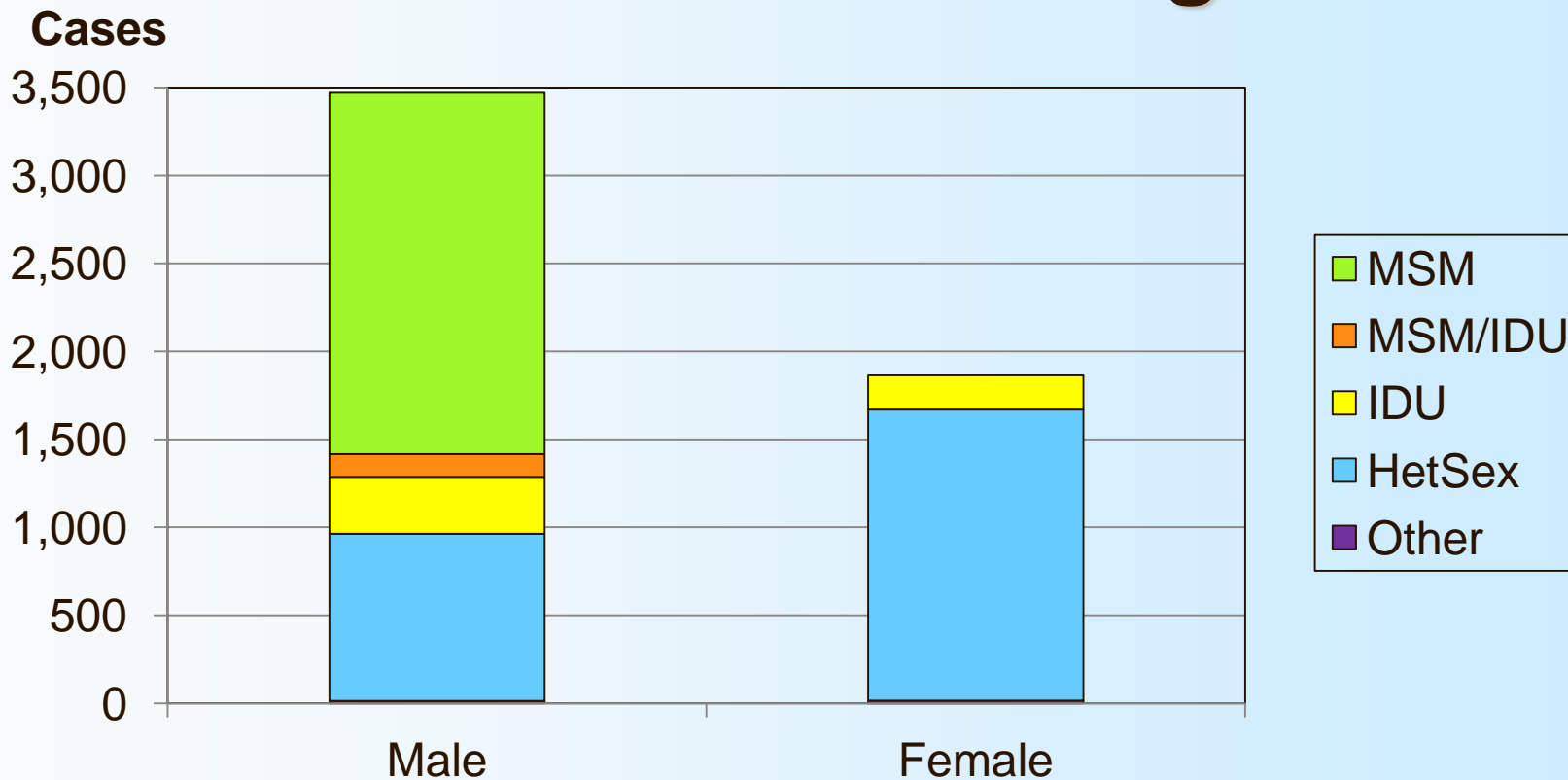
N (with Risk) = 5,333 (64% of Total)



Using data as reported through 12/31/2012



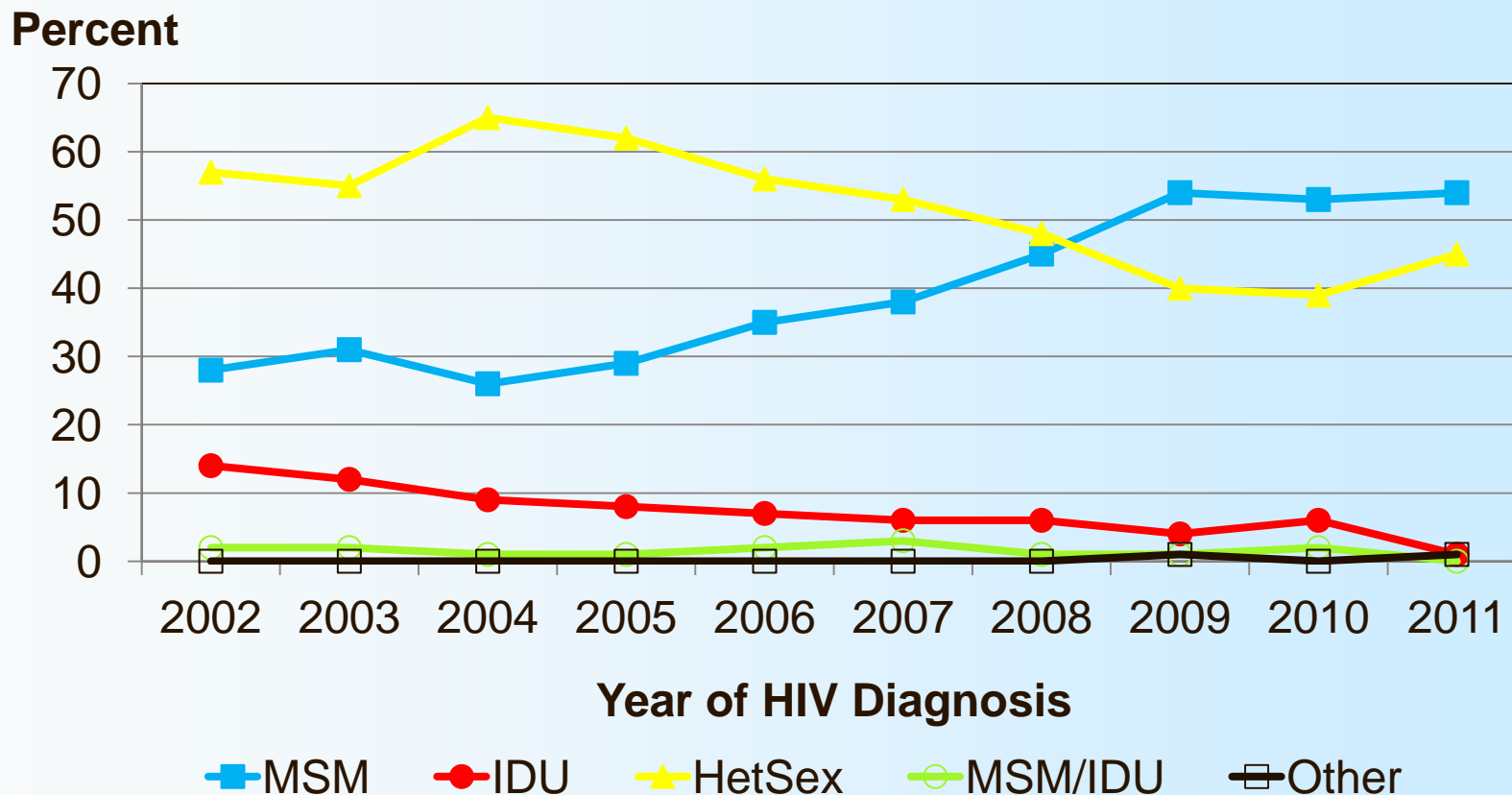
Living Adult/Adolescent HIV Cases 12/31/11 by Exposure Category and Sex at Birth Suburban Washington



Using data as reported through 12/31/2012



Reported Adult/Adolescent HIV Diagnoses, Exposure Category Trends, Suburban Washington



Using data as reported through 12/31/2012



National HIV/AIDS Strategy



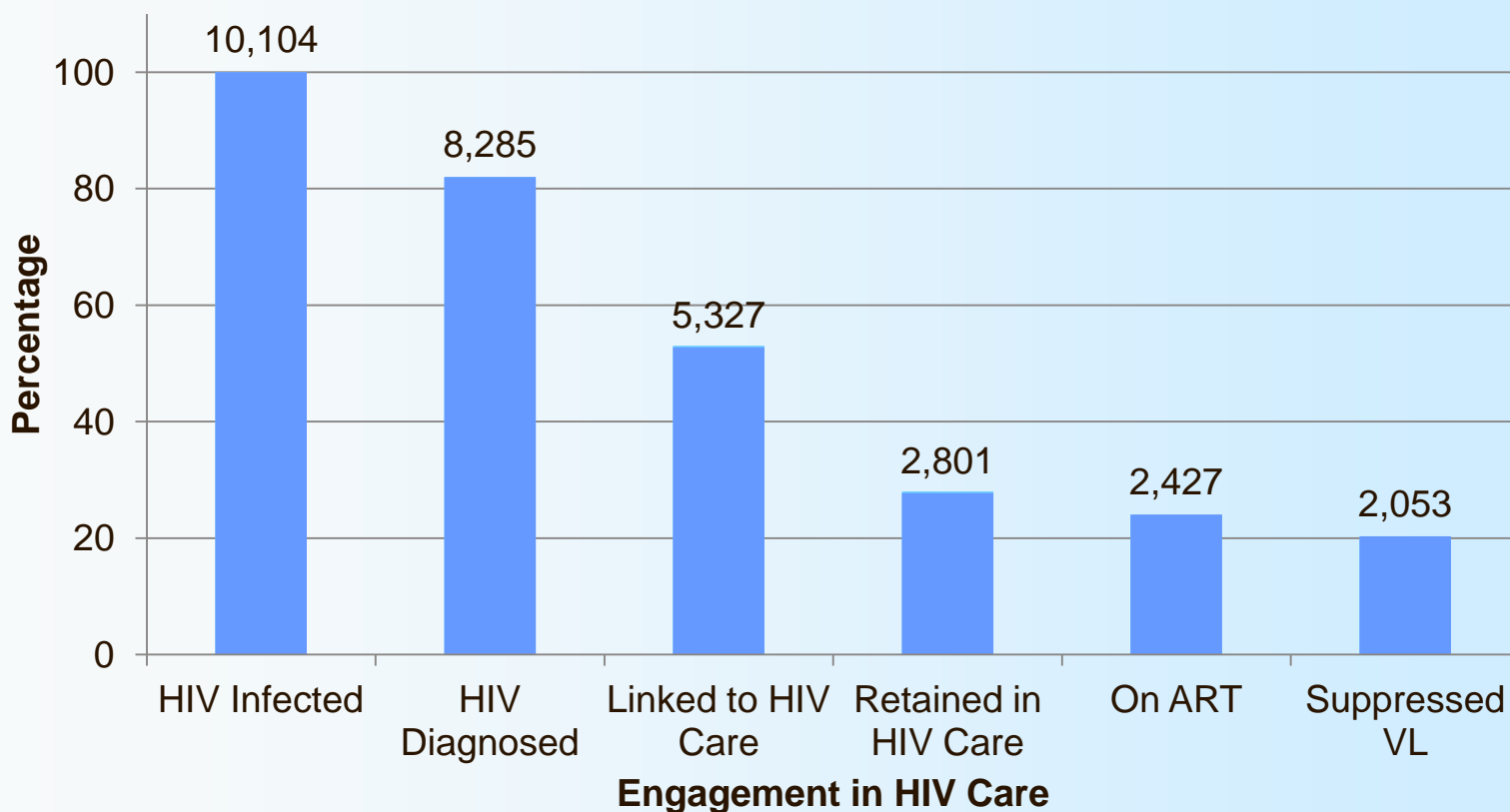
Goals:

- Reducing HIV incidence
- Increasing access to care and optimizing health outcomes
- Reducing HIV-related health disparities
- Achieving a more coordinated national response



Continuum of Care

Estimated number and percentage of HIV infected adults engaged in selected stages of the continuum of care, Suburban Washington, 2011



Using data as reported through 12/31/2012

Maryland Prevention and
Health Promotion Administration
May 8, 2013



Regional Summary



HIV/AIDS in the Suburban Washington Region



- There were 8,285 living adult/adolescent HIV cases at the end of 2011
- There were 479 reported adult/adolescent HIV diagnoses during 2011
- Prince George's County had the greatest share of cases (65%)
- Rates of living cases were two times higher in Prince George's than in Montgomery



HIV/AIDS in the Suburban Washington Region: Demographics



- Males were disproportionately affected (62% of cases vs. 47% of population), and the proportion male was increasing
- Non-Hispanic blacks were disproportionately affected (79% vs. 38%), but the proportion Hispanic, while small (7%), was increasing
- Persons 30-59 years old were disproportionately affected (79% vs. 43%), and proportions were increasing among 20-29 and 50-59 year olds while decreasing among 30-39 year olds



HIV/AIDS in the Suburban Washington Region: Exposure Category



- Sexual transmission predominates (>87%)
 - Homosexual and heterosexual transmission among men
 - Heterosexual transmission among women
 - Male homosexual transmission proportion was increasing
 - Heterosexual transmission was decreasing
- Injection drug use is an important route of transmission (>10%), but proportion IDU was decreasing



Maryland Prevention and Health Promotion Administration

<http://phpa.dhmmh.maryland.gov/oideor/chse>